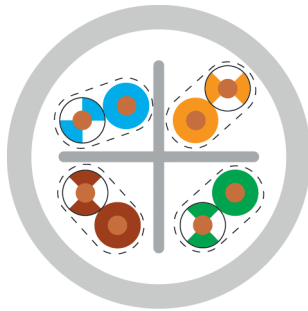


LAN Cable

Category 6

HELUKAT® 600

U/UTP FRNC

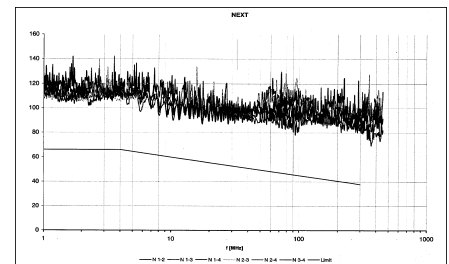


Cable structure

Inner conductor Ø:
Conductor material:
Core insulation:
Core colours:
Separator:
Screen over stranding element:
Screen 1 over stranding:
Screen 2 over stranding:
Outer sheath material:
Outer diameter:
Outer sheath colour:

U/UTP 4x2xAWG 23/1 FRNC

0,56 mm
Copper, bare
PE
whbu/bu, whog/og, whgn/gn, whbn/bn
Polyester foil over stranded bundle
-
-
FRNC
app. 6,5 mm
Grey similar to RAL 7035



Electrical data

Characteristic impedance:
Loop resistance:
Mutual capacitance:
Rel. propagation velocity:

100 Ohm \pm 15 Ohm at 1 to 100 MHz
100 Ohm \pm 20 Ohm at 101 to 600 MHz
150 Ohm/km max.
50 nF/km nom.
67 %

Typical values

Frequency (MHz)	10	16	62,5	100	155	200	300	500	600
Attenuation (db/100m)	5,5	6,9	14,3	18,0	22,1	25,3	31,8	39,8	44,1
Next (db)	72,0	70,0	65,0	63,0	60,0	57,0	55,0	53,0	49,0
ACR (db)	66,5	63,1	50,7	45,0	37,9	31,7	23,2	13,2	4,9

Technical data

Weight:
bending radius, repeated:
Operating temperature range min.:
Operating temperature range max.:
Caloric load, approx. value:
Copper weight:

app. 52 kg/km
55 mm
-20°C
+60°C
0,135 MJ/m
20,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 6A, Flame-retardant acc. to IEC 60332-1-2, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3, CMX 444

Application

HELUKAT® 600 data cables are used in the tertiary, but also in the secondary level of a network. They are characterized by large performance reserves and outstanding performance. They can be used to implement services such as Gigabit Ethernet, Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s, or ISDN absolutely trouble-free. Likewise, the mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.

Part no.

805179, U/UTP 4x2xAWG23/1 FRNC (UTP)

Dimensions and specifications may be changed without prior notice.

